

Rutgers, The State University of New Jersey
Institutional Profile Report

Section E
Faculty Characteristics

Full-Time Faculty by Race/Ethnicity, Gender, Tenure Status and Academic Rank, Fall 2010

Race/Ethnicity	Gender	TENURED				Total
		Professor	Associate Professor	Assistant Professor	All Others	
African American	Male	18	11	0	0	29
	Female	7	21	0	0	28
American Indian	Male	0	1	0	0	1
	Female	0	1	0	0	1
Asian *	Male	94	46	0	0	140
	Female	14	24	0	0	38
Latino	Male	13	12	0	0	25
	Female	3	5	0	0	8
White	Male	619	262	0	0	881
	Female	198	221	0	0	419
Non-Resident Alien	Male	10	13	0	0	23
	Female	3	10	0	0	13
Unknown *	Male	0	0	0	0	0
	Female	0	2	0	0	2
Total	Male	754	345	0	0	1,099
	Female	225	284	0	0	509

Race/Ethnicity	Gender	WITHOUT TENURE				Total
		Professor	Associate Professor	Assistant Professor	All Others	
African American	Male	3	2	11	8	24
	Female	1	1	16	7	25
American Indian	Male	0	0	1	0	1
	Female	0	1	4	0	5
Asian *	Male	5	6	43	51	105
	Female	2	3	38	51	94
Latino	Male	0	0	14	5	19
	Female	0	3	12	8	23
White	Male	26	38	136	192	392
	Female	21	29	153	199	402
Non-Resident Alien	Male	1	4	55	193	253
	Female	2	2	31	80	115
Unknown *	Male	1	4	16	18	39
	Female	4	0	25	42	71
Total	Male	36	54	276	467	833
	Female	30	39	279	387	735

Race/Ethnicity	Gender	TOTAL				Total
		Professor	Associate Professor	Assistant Professor	All Others	
African American	Male	21	13	11	8	53
	Female	8	22	16	7	53
American Indian	Male	0	1	1	0	2
	Female	0	2	4	0	6
Asian *	Male	99	52	43	51	245
	Female	16	27	38	51	132
Latino	Male	13	12	14	5	44
	Female	3	8	12	8	31
White	Male	645	300	136	192	1,273
	Female	219	250	153	199	821
Non-Resident Alien	Male	11	17	55	193	276
	Female	5	12	31	80	128
Unknown *	Male	1	4	16	18	39
	Female	4	2	25	42	73
Total	Male	790	399	276	467	1,932
	Female	255	323	279	387	1,244

**Percentage of Course Sections Taught
By Full-Time and Part-Time Faculty
Fall 2010**

Total Number of Course Sections	Taught by Full-time Faculty		Taught by Part-time Faculty		Taught by Others	
	N	%	N	%	N	%
7,977	4,842	60.7	1,973	24.7	1,162	14.6

Note: Others includes Full-time Administrators and Teaching Assistants

**Instructional Faculty
Ratio of Full-time/Part-time Faculty
Fall 2010**

FACULTY	N	%
Full-time Faculty	3,176	68.2
Part-time Faculty	1,480	31.8
Total	4,656	100



Rutgers' Best Thinkers



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Members of the National Academies

Election to membership in the National Academies is one of the highest honors a scientist can attain. These four prestigious bodies—the National Academy of Sciences, the National Academy of Engineering, the Institute of Medicine, and the National Research Council—bring together the nation's top experts to advise the federal government on critical issues.

Rutgers faculty who are currently members of the National Academies are:

National Academy of Sciences

[Joan W. Bennett](#), Associate Vice President for the Promotion of Women in Science, Engineering, and Mathematics; Professor II, Department of Plant Biology and Pathology, School of Environmental and Biological Sciences
Election Year: 2005

[Haim Brezis](#), Distinguished Visiting Professor of Mathematics, Department of Mathematics, School of Arts and Sciences
Election Year: 2003

[Felix Browder](#), University Professor of Mathematics, Department of Mathematics, School of Arts and Sciences
Election Year: 1973

Morrel Cohen, Distinguished Scientist, Department of Physics and Astronomy, School of Arts and Sciences
Election Year: 1978

[Allan Conney](#), Garbe Professor of Cancer and Leukemia Research, Department of Chemical Biology, Ernest Mario School of Pharmacy
Election Year: 1982

[Hugo K. Dooner](#), Professor, Department of Plant Biology and Pathology, School of Environmental and Biological Sciences; Waksman Institute of Microbiology
Election Year: 2007

[Paul G. Falkowski](#), Board of Governors Professor of Geological and Marine Science, Department of Earth and Planetary Sciences, School of Arts and Sciences; Institute of Marine and Coastal Sciences; Director, Rutgers Energy Institute
Election Year: 2007

James Flanagan, Professor Emeritus, Department of Electrical and Computer Engineering, School of Engineering
Election Year: 1983

[Charles R. Gallistel](#), Professor II, Department of Psychology, School of Arts and Sciences; Codirector, Rutgers Center for Cognitive Science
Election Year: 2002

[Rochel Gelman](#), Professor II, Department of Psychology, School of Arts and Sciences; Codirector, Rutgers Center for Cognitive Science
Election Year: 2006

[Henryk Iwaniec](#), New Jersey Professor of Mathematics, Department of Mathematics, School of Arts and Sciences

Future Scientists



Sid the Science Kid, the popular PBS television program, would not be the same without Rutgers professor Rochel Gelman. Elected to the National Academy of Sciences in 2006, Gelman is an expert on creating environments that foster interest in math and science. Her approach, which builds on children's natural curiosity to introduce scientific methods of inquiry, has made *Sid* a major hit among the preschool set. [Learn more.](#)

Newest National Academies Member



Endre Szemerédi, State of New Jersey Professor of Computer Science, is the latest Rutgers faculty member to be elected to the National Academy of Sciences, one of the highest honors an American scientist can achieve. His research has spurred important advances in combinatorics and number

Election Year: 2006

[Dennis Kent](#), Board of Governors Professor of Geological Sciences, Department of Earth and Planetary Sciences, School of Arts and Sciences

Election Year: 2004

[Joel Lebowitz](#), George William Hill Professor of Mathematics and Physics, Department of Physics and Astronomy and Department of Mathematics, School of Arts and Sciences

Election Year: 1980

[David Mechanic](#), René Dubos University Professor of Behavioral Sciences, Department of Sociology, School of Arts and Sciences; Director, Institute for Health, Health Care Policy and Aging Research

Election Year: 1991

[James C. Phillips](#), Distinguished Visiting Professor, Department of Physics and Astronomy, School of Arts and Sciences

Election Year: 1977

[Lawrence R. Rabiner](#), Professor II, Department of Electrical and Computer Engineering, School of Engineering; Associate Director, Center for Advanced Information Processing

Election Year: 1990

[Lawrence Shepp](#), Board of Governors Professor of Statistics, Department of Statistics, School of Arts and Sciences

Election Year: 1989

Endre Szemerédi, Professor of Computer Science, Department of Computer Science, School of Arts and Sciences

Election Year: 2010

[Evelyn Witkin](#), Barbara McClintock Professor Emerita of Genetics, Waksman Institute of Microbiology

Election Year: 1977

National Academy of Engineering

James Flanagan, Professor Emeritus, Department of Electrical and Computer Engineering, School of Engineering

Election Year: 1978

[Richard H. Frenkiel](#), Visiting Professor, Department of Electrical and Computer Engineering, School of Engineering

Election Year: 1997

[James D. Idol](#), Professor Emeritus, Department of Materials Science and Engineering, School of Engineering

Election Year: 1986

[Bernard H. Kear](#), New Jersey Professor of Materials Science and Technology, Department of Materials Science and Engineering, School of Engineering; Director, Center for Nanomaterials Research

Election Year: 1979

[Michael Lesk](#), Professor and Chair, Department of Library and Information Science, School of Communication and Information

Election Year: 2005

[Lawrence R. Rabiner](#), Professor II, Department of Electrical and Computer Engineering, School of Engineering; Associate Director, Center for Advanced Information Processing

Election Year: 1983

Elias Snitzer, Professor Emeritus, Department of Materials Science and Engineering, School of Engineering

Election Year: 1979

John B. Wachtman Jr., Professor Emeritus, Department of Materials Science and Engineering, School of Engineering

Election Year: 1976

Institute of Medicine

[Gerald N. Grob](#), Henry E. Sigerist Professor of the History of Medicine Emeritus, Department of History, School of Arts and Sciences; Institute for Health, Health Care Policy and Aging Research

Election Year: 1990

theory. [Learn more.](#)

[William Holzemer](#), Dean, College of Nursing
Election Year: 2003

[Casimir A. Kulikowski](#), Board of Governors Professor of Computer Science, Department of Computer Science, School of Arts and Sciences
Election Year: 1988

[Howard Leventhal](#), Board of Governors Professor of Health Sciences, Department of Psychology, School of Arts and Sciences
Election Year: 1997

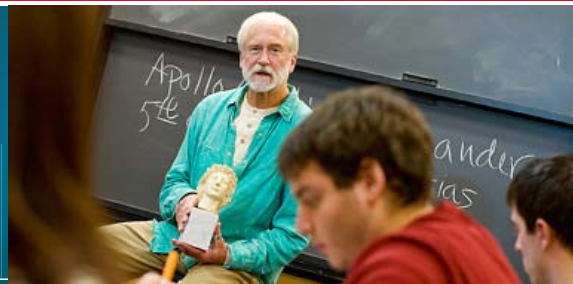
[David Mechanic](#), René Dubos University Professor of Behavioral Sciences, Department of Sociology, School of Arts and Sciences; Director, Institute for Health, Health Care Policy and Aging Research
Election Year: 1971

[Louise B. Russell](#), Professor, Department of Economics, School of Arts and Sciences; Chair, Division of Health Policy, Institute for Health, Health Care Policy and Aging Research
Election Year: 1984

[Lawrence Shepp](#), Board of Governors Professor of Statistics, Department of Statistics, School of Arts and Sciences
Election Year: 1992



Renowned Faculty



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Faculty Honors

Rutgers faculty are internationally recognized for the work they do to create new knowledge, generate innovative ideas, and prepare the next generation of leaders.

They have won the National Medals of Science and Technology, Guggenheim Fellowships, MacArthur "Genius" Awards, and Fulbright Scholarships, and been named Professor of the Year.

They have been elected to the most prestigious scholarly societies: the National Academy of Sciences, National Academy of Engineering, Institute of Medicine, American Academy of Arts and Sciences, American Academy of Arts and Letters, and American Association for the Advancement of Science.

Recent Recognition

AMERICAN ACADEMY OF ARTS AND SCIENCES

The academy, one of the nation's most prestigious honorary societies, has elected **Gregory Moore** and **Thomas Banks** as members. Both are physics professors in the School of Arts and Sciences specializing in string theory.

AMERICAN ACADEMY OF ARTS AND LETTERS



Mark Doty, professor of English in the School of Arts and Sciences, was one of eight recipients of the **Arts and Letters Award in Literature**. A renowned poet, he also was elected a chancellor of the Academy of American Poets.

FULBRIGHT COMMISSION



Ethel Brooks, associate professor of women's and gender studies in the School of Arts and Sciences, received the **Fulbright-University of the Arts London Distinguished Chair Award**. While in London, she will carry out research on Romani gypsies and deliver a lecture series in conjunction with the Tate Gallery.

GRETE LUNDBECK EUROPEAN BRAIN RESEARCH FOUNDATION



Gyorgy Buzsaki, a professor at Rutgers' Center for Molecular and Behavioral Neuroscience in Newark, will share the foundation's €1 million "Brain Prize" with two other neuroscientists for research that is illuminating the causes of such diseases as epilepsy, Parkinson's disease, and dementia.

AMERICAN PHYSICAL SOCIETY



Noemie Koller, emerita professor of physics, is the winner of the society's 2010 **Nicholson Medal for Human Outreach**, in recognition of her efforts on behalf of human rights and her leadership in creating equal opportunities for women.

AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE

N.J. Professor of the Year



Rutgers professor Scott Glenn, who led a team of faculty, students, and staff in a successful effort to send the first submersible robot glider across an ocean, has been named the 2010 New Jersey Professor of the Year. The award from the Carnegie Foundation for the Advancement of Teaching and the Council for Advancement and Support of Education recognizes outstanding educators for their work with undergraduate students. [Learn more.](#)

High-Performing Physicists



Ten assistant professors in Rutgers' Department of Physics



Six Rutgers professors achieved the rank of fellow in 2011, joining 43 previous Rutgers AAAS fellows. The new fellows are: **Eva Y. Andrei** (*pictured*) and **Karin M. Rabe**, professors of physics; **Karl F. Nordstrom**, professor of marine and coastal sciences; **Barbara J.**

Turpin, professor of environmental sciences; **Eileen White**, professor of molecular biology and biochemistry; and **Chung S. Yang**, professor of chemical biology.

PRESIDENTIAL EARLY CAREER AWARD FOR SCIENTISTS AND ENGINEERS



This highly prestigious award went to **Mauricio Delgado**, assistant professor of psychology on Rutgers' Newark Campus, in recognition of his exceptional potential for leadership in research and demonstrated commitment to community service.

WOODROW WILSON INTERNATIONAL CENTER FOR SCHOLARS



Two Rutgers professors were named Woodrow Wilson Fellows for 2010–2011. **David Greenberg**, associate professor of history and journalism and media studies, and **Susan Carruthers**, professor of history in Newark, are spending the academic year conducting independent research in Washington, D.C.

and Astronomy at the School of Arts and Sciences have won coveted Faculty Early Career Development Program awards since 2005—a number on par with physics powerhouses Cornell and Princeton universities. These high-performing, young professors have brought \$15 million in research grants to the department, allowing Rutgers to establish promising research programs across several areas. [Learn more.](#)

More Faculty Accomplishments

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